

# Weekly Report

Zhiyu Ding

October 14, 2013

## 1 Work scheduled in last week

The work scheduled in last week are listed as below:

1. the OOP version LBG-VQ project should be test to ensure its correctness, if possible, to update it further for the convenient of HVQ development.
2. implement HVQ.

## 2 Introduction

We mainly focused on the HVQ implementation and paper reading last week. Currently, the HVQ project is in processing and will be done this week.

## 3 Details

For HVQ, we implemented the feature of hierarchical data decomposition and pca based initial codebook generation. Other parts are in processing. In parallel, I kept reading paper related to this topic.

Besides, paper collection is updated and game course material writing is in processing. Patent is modified twice last week and finally be accepted.

## 4 Conclusion and Future Work

Next week, we will devote ourself to HVQ development and paper reading with group meeting report.

## References